


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
Search: ☒ The ACM Digital Library ☐ The Guide


Searching within **The ACM Digital Library** with **Advanced Search**: (start and transfer and clock) and ("data transmit") ([start a new search](#))

Found **34** of **270,768**

REFINE YOUR SEARCH

[Search Results](#)
[Related Journals](#)
[Related SIGs](#)
[Related Conferences](#)

▼ Refine by Keywords

Discovered Terms

▼ Refine by People

Names
Institutions
Authors
Reviewers

▼ Refine by Publications

Publication Year
Publication Names
ACM Publications
All Publications
Content Formats
Publishers

▼ Refine by Conferences

Sponsors
Events
Proceeding Series

Results 1 - 20 of 34

Sort by relevance

[Save results to a Binder](#)

1 [An empirical study of TCP-IP performance over FR-ATM service interwork](#)

Isil Sebüktekin

December 1998 **International Journal of Network Management** , Volume 8 Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (215.57 KB)

[Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 1, Downloads (Overall): 0

This article outlines some basic performance characteristics of the Transmissior Protocol ∥ TCP-IP∥ over Frame Relay-Asynchronous Transfer Mode ∥ Interworking. The cconclusions ...

2 [Piranha: a scalable architecture based on single-chip multiprocessing](#)

Luiz André Barroso, Kourosh Gharachorloo, Robert McNamara, Andreas Nowatzky, Smith, Robert Stels, Ben Verghese

June 2000 **ISCA '00: Proceedings of the 27th annual international symposium on**

Publisher: ACM

Full text available: Pdf (191.10 KB)

[Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 359, Downloads (Overall): 0

The microprocessor industry is currently struggling with higher development co arise from exceedingly complex processors that are pushing the limits of instru such designs are especially ...

Also published in:

May 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 2

3 [OFFICETECH: a new paradigm in office services?](#)

Susan J. Winter, T. Grandon Gill

January 1999 **ICIS '99: Proceedings of the 20th international conference on Inform**

Publisher: Association for Information Systems

Full text available: Pdf (314.11 KB)

[Additional Information: full citation, references, index](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 23, Downloads (Overall): 0

4 [Kernel Kerner: Networking with the Printer Port](#)

Alessandro Rubini

March 1998 **Linux Journal** , Volume 1998 Issue 47es

Publisher: Specialized Systems Consultants, Inc.

ADVANCED SEARCH

[Advanced Search](#)




FEEDBACK

[Please provide us with feedback](#)

Found **34** of **270,768**

Full text available:  [HTML](#) (17.11 KB)Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 3, Downloads (Over**5** [Energy-efficient wireless ATM design](#)

Paul J. M. Havinga, Gerard J. M. Smit, Martinus Bos


June 2000 **Mobile Networks and Applications**, Volume 5 Issue 2**Publisher:** Kluwer Academic PublishersFull text available:  [PDF](#) (137.85 KB)Additional Information: [full citation](#), [references](#), [index t](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 28, Downloads (Over**6** [Wide-area gigabit networking: Los Alamos HIPPI-SONET gateway](#) Wally St. John, Dave DuBoisDecember 1995 **Supercomputing '95: Proceedings of the 1995 ACM/IEEE confere****Publisher:** ACMFull text available:  [HTML](#) (37.91 KB)Additional Information: [full citation](#), [abstract](#), [refere](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 7, Downloads (Over

This paper describes a HIPPI-SONET Gateway which has been designed by men
Engineering Group at Los Alamos National Laboratory. The Gateway has been u
at Caltech, Los Alamos National Laboratory, ...


Keywords: Wide Area Networking, Wide-Area Networking, Gigabit Networking
Parallel Interface, HIPPI, Synchronous Optical Network, SONET, HIPPI-SONET C
Los Alamos National Laboratory, Los Alamos National Lab, Los Alamos, CASA G

7 [Using the 12C Bus with Linux](#)



Simon G. Vogt

March 1997 **Linux Journal**, Volume 1997 Issue 35es**Publisher:** Specialized Systems Consultants, Inc.Full text available:  [HTML](#) (5.83 KB)Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 2, Downloads (Over**8** [Performance and implementation of clustered-OFDM for wireless communi](#)

Babak Daneshmand, Leonard J. Cimini, Jr., Manny Carloni, Nelson Sollenberger

December 1997 **Mobile Networks and Applications**, Volume 2 Issue 4**Publisher:** Kluwer Academic PublishersFull text available:  [PDF](#) (681.28 KB)Additional Information: [full citation](#), [abstract](#), [refere](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 34, Downloads (Over

An elegant means by which high-speed burst wireless transmission can be acco
overhead is through a novel technique referred to as clustered-OFDM (Cimini e
modulation with a long symbol interval, ...

9 [A performance comparison of contemporary DRAM architectures](#) Vinodh Cuppu, Bruce Jacob, Brian Davis, Trevor MudgeMay 1999 **ISCA '99: Proceedings of the 26th annual international symposium o****Publisher:** ACMFull text available:  [PDF](#) (166.88 KB)Additional Information: [full citation](#), [abstract](#), [refere](#)


Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 172, Downloads (O

In response to the growing gap between memory access time and processor speed, several new DRAM architectures have been created. This paper presents a simulation-based representative group, each evaluated in a small ...

Also published in:


May 1999 **SIGARCH Computer Architecture News** Volume 27 Issue 2

10 [Low-level multimedia synchronization algorithms on broadband networks](#)

 Miguel Correia, Paulo Pinto

January 1995 **MULTIMEDIA '95**: Proceedings of the third ACM international conference

Publisher: ACM  [Request Permissions](#)


Full text available:  [HTML](#) (59.69 KB)

[Additional Information: full citation, references, citations](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 21, Downloads (Over


Keywords: broadband networks, distributed multimedia systems, low-level syn

11 [Physical layer driven protocol and algorithm design for energy-efficient wire](#)

 Eugene Shih, Seong-Hwan Cho, Nathan Ikes, Rex Min, Amit Sinha, Alice Wang, A

July 2001 **MobiCom '01**: Proceedings of the 7th annual international conference on networking

Publisher: ACM  [Request Permissions](#)


Full text available:  [PDF](#) (782.22 KB)

[Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 481, Downloads (O


The potential for collaborative, robust networks of microsenors has attracted a great deal of interest. For the most part, this is due to the compelling applications that will be enabled by these networks: location-sensing, ...

12 [System architecture directions for networked sensors](#)

 Jason Hill, Robert Szewczyk, Alec Woo, Seth Holari, David Culler, Kristofer Peter

December 2000 **ASPLOS-IX**: Proceedings of the ninth international conference on programming languages and operating systems

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (299.01 KB)

[Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 246, Downloads (O

Technological progress in integrated, low-power, CMOS communication devices has made the space of networked sensors viable. They can be deeply embedded in the physical environment like smart dust. The ...

Also published in:

December 2000 **SIGOPS Operating Systems Review** Volume 34 Issue 5


December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

13 [TCP extensions for space communications](#)

Robert C. Durst, Gregory J. Miller, Eric J. Travis


October 1997 **Wireless Networks** , Volume 3 Issue 5


Publisher: Kluwer Academic Publishers

Full text available:  Pdf (375.24 KB)Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 40, Downloads (Overall): 100

The space communication environment and mobile and wireless communication similarities when observed from the perspective of a transport protocol. Both types of communication are affected by data corruption and link outage, ...

14 [A systematic approach to the design of digital bussing structures](#)


 Kenneth J. Thurber, E. Douglas Jensen, Larry A. Jack, Larry L. Kinney, Peter C. Pappas
December 1972 **AFIPS '72 (Fall, part II)**: Proceedings of the December 5-7, 1972 AFIPS Spring Joint Computer Conference, part II

Publisher: ACMFull text available:  Pdf (2.97 MB)Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 24, Downloads (Overall): 50

Buses are vital elements of a digital system---they interconnect registers, functional blocks, and I/O systems. As technological advances raise system complexity and connectivity, I/O systems become primary architectural resources ...


15 [ASK digital demodulation scheme for noise immune infrared data communication](#)


Hiroshi Uno, Keiji Kumagai, Hiroyuki Okuhata, Isao Shirakawa, Toru Chiba
May 1997 **Wireless Networks**, Volume 3 Issue 2

Publisher: Kluwer Academic PublishersFull text available:  Pdf (429.05 KB)Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 31, Downloads (Overall): 60

A high performance architecture is proposed for the ASK (Amplitude Shift Keying) dedicated to the noise immune wireless infrared data communication. In this architecture, the data is detected by a photodetector ...

16 [Towards a new standard for system-level design](#)


 Stan Y. Liao
May 2000 **CODES '00**: Proceedings of the eighth international workshop on Hardware-Centric Design
Publisher: ACM

Full text available:  Pdf (80.96 KB)Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 16, Downloads (Overall): 30

Huge new design challenges for system-on-chip (SoC) are the result of decreasingly rapidly increasing gate counts and embedded software representing 50-90 percent of the total cost of system-level intellectual property ...

17 [Advocating a remote socket architecture for internet access using wireless networks](#)

M. Schläger, B. Rathke, A. Wolisz, S. Bodensiein
January 2001 **Mobile Networks and Applications**, Volume 6 Issue 1

Publisher: Kluwer Academic PublishersFull text available:  Pdf (490.10 KB)Additional Information: [full citation](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Downloads (Overall): 80

Keywords: TCP, internet access, measurement, performance, socket-interface

**A transmission control scheme for media access in sensor networks**

Alec Woo, David E. Culler

July 2001

MobiCom '01: Proceedings of the 7th annual international conference networking**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (460.40 KB)

[Additional Information: full citation, abstract, refere](#)**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 335, Downloads (O

We study the problem of media access control in the novel regime of sensor ne behavior and tight constraints in computation power, storage, energy resource: shaped this design space to be very ...

19 Design and analysis of low-power access protocols for wireless and mobile

Krishna M. Sivalingam, Jyh-Cheng Chen, Prathima Agrawal, Mani B. Srivastava

January 2000 **Wireless Networks**, Volume 6 Issue 1**Publisher:** Kluwer Academic Publishers

Full text available: Pdf (233.13 KB)

[Additional Information: full citation, abstract, refere](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 60, Downloads (Ove

This paper describes the design and analysis of a low‐power medium acc protocol for wireless/mobile ATM networks. The protocol – denoted EC‐M medium access control∥ – is ...

20 A parallel/serial trade-off methodology for look-up table based decoders

Claus Schneider

June 1997

DAC '97: Proceedings of the 34th annual Design Automation Confere**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (60.71 KB)

[Additional Information: full citation, abstract, refere](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 21, Downloads (Ove

A methodology for architecture exploration of look-up tablebased decoders is p parallel processinga trade-off can be made by exploring system leveland regist Executable specifications(pure functional ...

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2010 ACM

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads: Adobe Acrobat

QuickTime

Windows Media Player

Real P